

Session Program

18-29 Jun 2022

**2022 PIRE GEMADARC Summer School and
Collaboration Meeting**
Collaboration Meeting

Monday 27 June

08:30	Collaboration Meeting: Steering Committee Meeting
09:30	Session Convener: Dongming Mei
09:30	Collaboration Meeting: Project Summary Report
10:00	Session Convener: Dongming Mei
10:30	Collaboration Meeting: Project Education Report
10:40	Session Convener: Mary Kidd
10:40	Collaboration Meeting: Undergraduate Education Report
10:50	Session Convener: Students
10:50	Collaboration Meeting: Native American Education Report
11:00	Session Convener: Brianna Mount
13:30	Collaboration Meeting: Summer School Report
14:00	Session Convener: Prof. Jing Liu
14:00	Collaboration Meeting: Cluster Dipole States
14:30	Session Convener: Dongming Mei
14:30	Collaboration Meeting: Emerging Ge Detectors at TAMU
15:00	Session Convener: Rusty Harris
15:30	Collaboration Meeting: Zone Refining
15:50	Session Convener: Kunming Dong
15:50	Collaboration Meeting: Ge Crystal Growth at USD
16:10	Session Convener: Sanjay Bhattacharai
16:10	Collaboration Meeting: Measuring mobility using waveform analysis
16:30	Session Convener: Kyler Kooi
16:30	Collaboration Meeting: GeICA detector development at USD
16:50	Session Convener: Mathbar Raut
16:50	Collaboration Meeting: Contact-free detector at TAMU
17:10	Session Convener: William Baker

Tuesday 28 June

08:30	
08:50	Collaboration Meeting: Machine learning in data analysis for Ge detectors Session Convener: Laxman Paudel
08:50	
09:20	Collaboration Meeting: Design of an autoencoder for removing noise in PPC detector signals Session Convener: Mark Anderson
09:20	
09:40	Collaboration Meeting: Measuring drift time in PPC detectors Session Convener: Tianai Ye
09:40	
10:00	Collaboration Meeting: Counting electrons in the NEWS-G spherical proportional counters using an autoencoder Session Convener: Noah Rowe
10:30	
11:00	Collaboration Meeting: Activities at UNC Session Convener: Ian Guinn
11:00	
11:10	Collaboration Meeting: Steering Committee Meeting Report Session Convener: Rusty Harris
11:10	
11:20	Collaboration Meeting: Summary and Remarks Session Convener: Dongming Mei